

ABSTRACT

A combustion chamber (5) for a gas turbine is adapted for flameless oxidation of fuels. This circulation flow has an internal space (9) in which a large-volume circulation flow is established. To this end, the combustion chamber supplies a hot exhaust stream to the introduced air, the mass flow rate of which exceeds the fresh air stream. The fresh air and the fuel are fed to the combustion chamber in the same direction, roughly parallel to the wall.